

SOME APPARENTLY NEW FORMS OF AFRICAN  
*NYMPHALIDAE*.

BY LORD ROTHSCHILD, F.R.S., PH.D.

*Euphaedra uganda* form. *viridis* form. nov.

♂. Differs from typical *uganda* above in the ground-colour being blackish olive or olive-black, **not** velvety brown-black, and the blue markings of *uganda* are replaced by metallic verditer olive-green. A row of submarginal spots on hindwing of similar green also distinguishes this form from *uganda*, which lacks **all** submarginal spots.

Below it is marked with yellowish olive-green **instead** of whitish blue.

*Habitat.* Entebbe, Uganda, July—August 1900 (Colonel H. B. Rattray),  
3 ♂♂.

*Euphaedra luperca* ab. *suffusa* ab. nov.

♂. Differs from ab. *variegata* Aur. in having the whole of fore- and hindwings completely suffused with steel-blue, **not only** the margins and tornal area.

*Habitat.* Lake Azingo, Gaboon, December 1907 (Dr. Ansorge), 1 ♂.

*Euphaedra imperialis* Lindemans.

*Euphaedra imperialis* Lindemans, *Tijdsch. Entom.* vol. liii. p. 278. pl. 13. f. 1 (1910) (S. Cameroons).

Aurivillius in Seitz suggests that this might prove to be a ♀ form of *luperca* Hew., as only ♀♀ were known; the Tring Museum, however, possesses 5 ♂♂ and 4 ♀♀ of this fine species, and the ♂♂ only differ from the ♀♀ in being smaller and having the bluish band on the hindwings more sharply defined.

*Euphaedra imperialis gabonica* subsp. nov.

♂ ♀. Differs from *imp. imperialis* above in the green suffusion of the wings being much paler, and the orange band of the forewings being much less sharply defined, more diffused and paler.

*Habitat.* Lambarene, French Congo (Harrington), 1 ♂; 1 ♀?

*Euphaedra lupercoides* sp. nov.

♂. Above forewing velvety black suffused with deep blue; basal one-third irregularly obliquely metallic pale steel-green, an oblique buffish-white band in outer one-third, apical patch white, smaller than in *luperca*.— Hindwing metallic pale steel-green; abdominal area dull brown, terminal one-fifth of wing steel-blue.

Below olive-green washed with pinkish brown; markings as in *luperca*. all below vein 2 on forewings cinnamon colour.

*Habitat.* Luebo, Kassai River, October 1903 (Landbeck), 1 ♂.

**Euphaedra symphona** B. Baker.

*Euphaedra symphona* Bethune Baker, *Ann. Mag. Nat. Hist.* (8)2. p. 472 (1908) (Upper Congo).

Both Professor Aurivillius and Dr. Strand place this species in the genus *Euryphene*. Now Professor Aurivillius in Seitz most emphatically states that there are **no** structural differences between the two genera *Euryphene* and *Euphaedra*, and that the only reliable difference is that in *Euryphene* the palpi are of various shades of grey, whereas in *Euphaedra* they are always bright golden or orange-yellow. There are in the Tring Museum 7 ♂♂ and 1 ♀ of *symphona* and the palpi of all are deep golden yellow, showing this species to be clearly a *Euphaedra*. In case it might be supposed that the Tring Museum specimens have been wrongly identified, I would point out that we have also a ♂ and ♀ of *Euphaedra aurivillii* Strand, the only possible species *symphona* could be confused with.

**Euphaedra graueri** sp. nov.

♂ ♀. Ground-colour above deep velvety blue-black.

Forewing basal two-fifths obliquely steel-blue, a postmedian broad oblique orange band consisting of two large quadrate patches joined corner to corner, fringe at apex whitish, and elsewhere black with white intranervular dots.—Hindwing basal three-fourths steel-blue.

Below forewing olivaceous grass-green freckled with black scales; 3 black spots in cell, a postdiscal, somewhat dilute black transverse band, oblique transverse orange band paler. Hindwing olivaceous grass-green freckled with black scales; 2 black spots in cell and a black streak on discocellulars, postdiscal band as on forewing, a dark rose-crimson transverse band from costa to beyond vein 3 beyond cell, which curves round and reaches base of wing, the horizontal portion being each side of vein 1, a black line on innerside of the transverse portion of the crimson band.

Length of forewing: ♂ 39 mm., ♀ 48 mm. Expanse: ♂ 83 mm., ♀ 101 mm.

*Habitat.* Forest 90 km. west of Lake Albert Edward, February 1908, 1,600 m. (R. Grauer), 1 ♂, 2 ♀♀.

**Euphaedra xypete** form. *albocoerulea* form. nov.

♂ ♀. Differs from typical *xypete* Hew., in the yellow on the upper surface being replaced by bluish white, giving the insect a bluish instead of an olive-green appearance.

*Habitat.* Same as typical form.

**Euphaedra xypete ansorgei** subsp. nov.

♂♀. Similar to *x.* form. *crockeri* Butl. but much larger.

Above much less yellow, and in the ♂ the markings less distinct, and in the ♀ the postmedian patch on forewing less round, more quadrate and bandlike.

Below much less yellow, all markings more dilute and less distinct; red on hindwings less distinct and more washed out.

Length of forewing f. *crockeri* ♂ 31–41 mm., ♀ 42–45 mm.

Expanse           ,,           ,,           ♂ 66–86 mm., ♀ 89–95 mm.

Length of forewing *v. ansorgei* ♂ 41-48 mm., ♀ 49-53 mm.

Expanses ,, ,, ♂ 87-101 mm., ♀ 103-111 mm.

*Habitat.* Lake Asebbe, Fernan-Vas, Gaboon, February 1908 (Dr. Ansorge), 28 ♂♂, 9 ♀♀; Kassai River, Congo Free State, 3 ♂♂.

***Euphaedra gausape landbecki* subsp. nov.**

♂. Differs from *g. gausape* Butler above in the oblique band of forewing merging more into the ground-colour and being much greener, also green of hindwing is much more saturated with yellow.

♀. Differs in the green portions of both wings being suffused with yellow and the oblique band with green.

*Habitat.* Luebo, Kassai River (P. Landbeck), 4 ♂♂, 2 ♀♀.

***Euphaedra cyparissa aureola* subsp. nov.**

♂ ♀. Differs from *c. cyparissa* in the green areas of both wings being strongly suffused with yellow.

*Habitat.* Luebo, Kassai River (P. Landbeck), 1 ♂, 1 ♀; 1 ♀, Kassai River, Congo Free State.

***Euphaedra difficilis* sp. nov.**

♂. Allied to *inanum* Butl.

Forewing above basal half obliquely dirty olive wood-brown, basal area darker brown; outer half black, a postmedian oblique white band, fringe black, white at apex and with intranervular white dots.—Hindwing dirty umber-brown; a 3 mm. wide terminal band greyish black, with an inner row of grey oblong spots, inside which is a band of big velvety black lunules.

Below both wings brown-grey; on forewing 2 black spots in cell and white oblique postmedian band, hindwing a lavender-grey patch at base, a submarginal row of grey spots and a greyish postmedian shade.

Length of forewing: 41 mm. Expanses: 87 mm.

*Habitat.* Mori River, Kosowa (F. R. Roberts), 1 ♂.

***Euphaedra preussi* form. *cinnamomea* form. nov.**

♂. Has above all the green areas cinnamon colour washed with blue, and a large patch of blue above tornal area of hindwing.

*Habitat.* Kongour Forest, Manyema, Congo Free State (R. Grauer), 1 ♂.

***Euphaedra preussi* form. *castanea* form. nov.**

♀. All green areas above replaced by rufous chestnut saturated and suffused with purple-blue, tornal area of hindwing and a submarginal row of spots blue. On forewing 3 black spots in cell **above**.

*Habitat.* Kongour Forest, Manyema, Congo Free State (R. Grauer), 1 ♀.

***Aterica galene omissa* subsp. nov.**

♂. Differs above from *g. theophane* Hopff by the spots of the postmedian oblique band being much smaller, rounder, and all widely separated and by the absence of all rufous on the cream-coloured central patch of the hindwings.

♀. Differs in the white spots on forewing being smaller, and in the central area of hindwings being smaller and white, **not** rufous.

*Habitat.* Chaipaika Estate, Bandawe, Nyassaland (Watkinson), 3 ♂♂; Parambira, Lake Nyassa, November 1893 (Dr. Ansorge), 3 ♂♂, 1 ♀.

***Catuna crithea pallidior* subsp. nov.**

♂ ♀. Differs above from *c. crithea* Drury, in the pale markings of the forewings being greyish white, *not* grey-brown or yellowish wood-grey, and the buffish yellow of the hindwings is replaced by cream-white.

*Habitat.* Bitje, Ja River, Cameroons, 2,000 ft., January—March, April—June, and October—November 1907—1910 (G. L. Bates), 9 ♂♂, 7 ♀♀.

It may be urged that this is only an aberration as there are typical *crithea* in the Tring Museum labelled Cameroons, but these are from a most unreliable source and almost certainly from Acera, Gold Coast.

***Catuna angustata albidior* subsp. nov.**

♂ ♀. This form shows the same differences from *a. angustata* Feld. as the previous form does from *c. crithea*, viz. all grey and yellow areas replaced by creamy white. *A. angustata* occurs in the Gaboon and Congo, while *a. pallidior* occurs from the Ivory Coast to Nigeria and Cameroons. In the Tring Museum are 29 ♂♂, 11 ♀♀ from Bingerville, Ivory Coast, June 1915 (G. Melou); Gold Coast; Bitje, Ja River, Cameroons, 2,000 ft. (G. L. Bates); Ushire, Niger Coast Protectorate, January 1902 (Dr. Ansorge); Warri, Niger, May—September 1897 (Dr. Roth).

***Neptis comorarum leighi* subsp. nov.**

♂ ♀. Differs from *c. comorarum* in being much smaller and in the orange spots above being paler and the markings below much less distinct and sharp.

Length of forewing: *c. comorarum* ♂ 26 mm., ♀ 30 mm.

Expanse           "           "           ♂ 55 mm., ♀ 64 mm.

Length of forewing: *c. leighi* ♂ 21 mm., ♀ 24 mm.

Expanse           "           "           ♂ 45 mm., ♀ 51 mm.

*Habitat*: Anjouan Island, Comoro Islands, July 1911 (G. F. Leigh).

(*Habitat* of *c. comorarum*, Grande Comore, Comoro Islands).

***Neptis ochracea parvimacula* subsp. nov.**

♂ ♀. Differ above from *o. ochracea* Neave in all the yellow markings being much darker, in the patches on the forewings on each side of veins 1 and 3 being much smaller, and in the band of the hindwing being much narrower.

*Habitat.* Kwidgwi Island, Lake Kivu, 1,500—2,000 m. = 4,875—6,500 ft. November 1907 (R. Grauer), 1 ♂, 1 ♀.

***Neptis exaleuca suffusa* subsp. nov.**

♂. Differs above in the ground-colour being much blacker, and in the white patches on each side of veins 1 and 3 of the forewings being much smaller. Below it is strongly washed with rufous orange instead of greenish yellow.

*Habitat.* Forest 95 km. west of Lake Albert Edward, 1,000 m. = 3,250 ft., February 1908 (R. Grauer), 1 ♂.

**Neptis neavei** sp. nov.

♂. Ground-colour sooty black **without** any traces of darker intranervular streaks as in *exaleuca*; forewing with 2 white dots in cell and 3 beyond it, remainder of white markings as in *exaleuca* but the patches on each side of vein 3 more oval, and those on each side of vein 1 very small; on the hindwing the white band only reaches to vein 6. Below forewing as above but basal half of costal and subcostal area rufous chestnut; hindwing rufous chestnut, white band has above vein 6 a round white dot, white band bordered each side with heavy black line, terminal margin black.

Length of forewing: 27 mm. Expanse: 58 mm.

*Habitat.* Mlanje, Nyassaland, May 1913, 1 ♂.

**Neptis incongrua occidentalis** subsp. nov.

♂. Ground-colour greyer than in *inc. incongrua*. Differs on forewing by all the spots in the postmedian white band being wanting except those on each side of veins 1, 3, and 6 and these are much smaller. The band on the hindwing is narrower. Both above and below it also differs in having intranervular darker streaks. Below the disc of forewing and outer fifth of hindwing are much deeper rufous.

*Habitat.* Forest 90 km. west of Lake Albert Edward, 1,000 metres = 3,250 ft., February 1908 (R. Grauer), 1 ♂.

**Crenis pechueli rhodesiana** subsp. nov.

♂ ♀. Above much bluer less lavender-coloured than *p. pechueli* Dew. Differs below in the brighter orange less rufous forewing and in the narrower orange bands encircling the postmedian row of black spots on the hindwings.

*Habitat.* Fort Rosebery, Rhodesia, 2 ♂♂.

**Crenis boisduvalii omissa** subsp. nov.

Professor Aurivillius makes *boisduvalii* occur from Sierra Leone to Angola and Natal, and from the Congo to East Africa; but the Natal ♀♀ are much less rufous and the ♂♂ generally smaller. Below the Natal specimens are much duller and the markings less distinct.

In the Tring Museum are the following specimens:

*C. b. boisduvalii*, 57 ♂♂, 44 ♀♀ Natal, Cape Colony, Pondoland, Transvaal and Delagoa Bay.

*C. b. omissa*, 46 ♂♂, 7 ♀♀, Angola, Congo, Cameroons. Toro, Unyoro, and Uganda.

**Crenis trimenii angolensis** subsp. nov.

♂ ♀. Differ from *t. trimenii* Aur. in being much paler and much brighter yellow.

*Habitat.* Fort Quilenges, Benguella, January 1905 (Dr. Ansorge), 1 ♂; Combo Coquenje Bihé, Angola, October 1904 (Dr. Ansorge), 1 ♂; Bigondo Bihé, Angola, October 1904 (Dr. Ansorge), 4 ♀♀; North Bailundu, Angola, September 1901 (Pemberton), 9 ♂♂, 1 ♀; Bihé, Angola (Pemberton), 1 ♂, 2 ♀♀.

***Crenis trimenii major* subsp. nov.**

♂ ♀. Differs from *t. trimenii* Aur. by its much larger size and more yellow colour.

Length of forewing: *t. trimenii* ♂ 25 mm., ♀ 29 mm.

Expanse „ „ „ ♂ 53 mm., ♀ 62 mm.

Length of forewing: *t. major* ♂ 53 mm., ♀ 36 mm.

Expanse „ „ „ ♂ 70 mm., ♀ 77 mm.

*Habitat.* Bitje, Ja River, Cameroons, 2,000 ft., April—May and October—November 1910 (G. L. Bates), 5 ♂♂, 4 ♀♀; Stanley Pool to Lokolele, Congo River, 1894 (Harrison), 1 ♂, 1 ♀; Luebo, Kassai River, October 1903 (Landbeck), 1 ♂, 7 ♀♀; Luluaburg, Kassai (Landbeck), 1 ♂; Kapulumbo, Kassai (Landbeck), 3 ♀♀; Kassai River, 1 ♂, 2 ♀♀.

***Mesoxantha ethosia albeola* subsp. nov.**

♂. Differs from *e. ethosia* Drury in the yellow between veins 1, 2, and 3 of the forewings extending nearer to termen and in the black terminal band of the hindwings being narrower. ♀. Differs in the pale colour of the forewing being white, the terminal band of hindwing being narrower, and the yellow of hindwing paler and more buffish.

*Habitat.* Cameroons, West Africa, 1 ♂; Bitje, Ja River, Cameroons, 2,000 ft., April—June and September—October 1910 (G. L. Bates), 2 ♂♂, 6 ♀♀; Lake Azingo, Gaboon, December 1907 (Dr. Ansorge), 1 ♂; Lake Asebbe, Fernan-Vas, Gaboon, February 1908 (Dr. Ansorge), 4 ♂♂, 2 ♀♀; Abanga River, Gaboon October 1907 (Dr. Ansorge), 1 ♂, 8 ♀♀; Ogowe River (Distant Coll.), 1 ♀; 10 and 15 days from Fort Beni, Congo, May 1899 (Dr. Ansorge), 2 ♀♀; 1 ♂ Luebo, Kassai River (P. Landbeck), 1 ♂; Gallery Forest, Rutschuru River, 1,000 m. = 3,250 ft., February 1908 (R. Grauer), 1 ♂.

***Mesoxantha ethosia reducta* subsp. nov.**

♀. Differs in having the white on forewing much reduced.

*Habitat.* Port Alice, February 1897 (Dr. Ansorge), 1 ♂; Kampala, Uganda, January 1897 (Dr. Ansorge), 2 ♂♂, 2 ♀♀; Entebbe, Uganda, April 1900 (Colonel H. B. Rattray), 4 ♂♂; Monyonyo, Unyoro, March 1897 (Dr. Ansorge), 2 ♂♂, 2 ♀♀; Delagoa Bay (Mrs. Monteiro), 1 ♂.

***Hypolimnas salmactis magnifica* subsp. nov.**

♂. Differs in being much larger and the white bands on both wings much wider and more extended.

♀. Much larger, the white bands of both wings much wider and more extended; the blue paler and more turquoise, less purple.

Length of forewing: *s. salmactis* ♂ 48 mm., ♀ 52 mm.

Expanse „ „ „ ♂ 101 mm., ♀ 109 mm.

Length of forewing: *s. magnifica* ♂ 53 mm., ♀ 63 mm.

Expanse „ „ „ ♂ 111 mm., ♀ 132 mm.

*Habitat.* Port Alice, July 1894—January 1897 (Dr. Ansorge), 1 ♂, 1 ♀; Entebbe, Uganda, May—July 1900—1902 (Col. H. B. Rattray), 5 ♂♂, 5 ♀♀.

**Hypolimnas monteironis major** subsp. nov.

♂ ♀. Larger, and the white bands of both wings broader. The ♀ has the hindwing distad of white band more rufous.

Length of forewing: *m. monteironis* ♂ 48 mm., ♀ 50 mm.

Expanse " " " ♂ 101 mm., ♀ 105 mm.

Length of forewing: *m. major* ♂ 55 mm., ♀ 62 mm.

Expanse " " " ♂ 116 mm., ♀ 130 mm.

*Habitat.* Port Alice, January 1897 (Dr. Ansorge), 3 ♂♂, 3 ♀♀; Entebbe, Uganda, 3 ♂♂; Entebbe, Uganda, April—June, 1900—1902 (Colonel H. B. Rattray).

**Hypolimnas dinareha grandis** subsp. nov.

♂ ♀. Larger than *d. dinarcha* Hew., and the pale patch on hindwing larger and more sharply defined.

Length of forewing: *d. dinarcha* ♂ 50 mm., ♀ 54 mm.

Expanse " " " ♂ 105 mm., ♀ 114 mm.

Length of forewing: *d. grandis* ♂ 57 mm., ♀ 62 mm.

Expanse " " " ♂ 120 mm., ♀ 130 mm.

*Habitat.* Port Alice, January—July 1894—1897 (Dr. Ansorge), 2 ♂♂, 2 ♀♀; Msarosaro, Uganda, March 1896 (Dr. Ansorge), 2 ♂♂, Entebbe, Uganda, April 1900—August 1902 (Colonel H. B. Rattray), 9 ♂♂, 2 ♀♀; Hoima, Unyoro, October 1897 (Dr. Ansorge), 1 ♂; Measa, Usogo, March 1898 (Dr. Ansorge), 1 ♀.

**Hypolimnas dubius poensis** subsp. nov.

♀. Differs from *d. dubius* in the enormous size of the white patch in cell and those on each side of vein 3 and in the deep rufous pale area of hindwing and in the presence of 3 white submarginal dots only on hindwing.

*Habitat.* Banterberri, Fernando Po (E. Seimund), 1 ♀.

**Hypolimnas dubius mayottensis** subsp. nov.

♂. Similar to *d. drucei* Butl. but much larger; the white patches on forewings very much larger and the white of the hindwings extending much closer to termen than in *d. drucei* ab. *bewsheri* Butl.

♀. Very much larger than *d. drucei* and the white much more extended, in two specimens being spread almost over the disc of both wings.

Length of forewing: *d. drucei* ♂ 38 mm., ♀ 45 mm.

Expanse " " " ♂ 80 mm., ♀ 95 mm.

Length of forewing: *d. mayottensis* ♂ 44 mm., ♀ 53 mm.

Expanse " " " ♂ 93 mm., ♀ 112 mm.

*Habitat.* Mayotte, Comoro Islands, May 1911 (G. F. Leigh).

**Catacroptera eloanthe intermedia** subsp. nov.

♀. Form. pluv. Exactly intermediate between *c. eloanthe* f. pl. *eloanthe* and *c. ligata* R. and J. f. pl. *ligata*.

*Habitat.* Luebo, Kassai, October 1903 (P. Landbeck), 1 ♀; Mazanguli, Lualaba Valley, 2,000 ft., 1 ♀ (type).

**Precis natalica form. arid. natalensis form. nov.**

♂ ♀. Distinguished from f. pl. *natalica* Feld. by the washed-out patternless underside.

**Precis natalica angolensis subsp. nov.**

♂ ♀. Differs from *n. natalica* in the paler grey ground-colour and the almost complete absence of red markings on upperside. Dry season form *n. angolensis* form. arid. *penricei* form. nov. differs in the same way from *n. angolensis* f. pl. *angolensis* as f. arid. *natalensis* does from f. pl. *natalica*.

*Habitat.* Ndaila Ango, Angola, October 1903 (Dr. Ansorge), 1 ♂, f. pl. *angolensis*; Kuvuli River, Angola, January 1899 (Penrice), 6 ♂♂, f. pl. *angolensis*; Cubal River, Angola, February 1899 (Penrice), 3 ♂♂, f. pl. *angolensis*, 2 ♂♂, 2 ♀♀ f. ar. *penricei*; Dondo, Melanga, and Pungo Andongo, Angola, March—July 1875 (Major v. Homeyer), 1 ♂, 1 ♀ f. pl. *angolensis*, 1 ♀, 1 ♂ f. arid. *penricei*; Pungo Andongo, Angola (Dr. Ansorge) 1 ♀ f. ar. *penricei*; N. Bailundu, Angola, 1901 (Pemberton), 1 ♂ f. ar. *penricei*; Duque de Braganza, Angola (Dr. Ansorge), 1 ♂ f. ar. *penricei*; Cailulu, Angola (Pemberton), 1 ♂, f. ar. *penricei*; Benguella to Caconda and 80 miles into interior, May—June 1897 (Penrice), 4 ♂♂, 4 ♀♀ f. arid. *penricei*; Calweba River, Angola, May 1898 (Penrice), 1 ♂, 1 ♀, f. ar. *penricei*; Lukia River, Angola, April 1899 (Penrice), 1 ♂ f. ar. *penricei*; Libollo, Angola (Pemberton), 1 ♂, f. ar. *penricei*.

**Precis archesia f. arid. extr. loc. coryndoni form. nov.**

♂ ♀. Differ above on the forewing from f. arid. *archesia* Cram. and by the almost complete absence of red, and the blue is much more sky blue, not purplish; the blue forms a broad marginal band with a central black line, **not** two broken blue submarginal lines; the whole postmedian band is blue, **not** merely above vein 4. On the hindwings the median band is duller and less distinct, and the terminal edge is quite straight, **not** strongly crenulate; the fringe is blue, **not** white. Below it is even more extreme and patternless than the form. arid. *ampl. staudingeri* Dew.

*Habitat.* Various parts of Angola 13 ♂♂, 4 ♀♀ (Coryndon).

**Precis omissa sp. nov.**

♂. This species is allied to *milonia* Feld. and *ranana* Gr. Smith and is in many collections named *ranana* in error. Differs above from *milonia* by the forewing being more produced at the apex, and by the rufous band being more angled basad, and stopping short at vein 6. The hindwing has a longer tail, is more bowed out at termen and the fulvous rufous band is narrower. The white dot in apical area of forewing is absent.

♀. Is duller and has the fulvous band on hindwing almost white.

Length of forewing: ♂ 30 mm., ♀ 33 mm. Expanse: ♂ 64 mm., ♀ 71 mm.

*Habitat.* Bitje, Ja River, Cameroons, 2,000 ft., January—March and September—November 1907 (G. L. Bates), 6 ♂♂, 6 ♀♀; interior of Cameroons 1 ♀; Luebo, Kassai River (Landbeck), 1 ♀; 2 days from Fort Beni, Congo Free State, May 1899 (Dr. Ansorge), 1 ♀.